

TITLE: Animal models and methods for analysis of lipid metabolism and screening of pharmaceutical and pesticidal agents that modulate lipid metabolism using SREBP pathway genes

INVENTOR(S): Costa, Michael A.; Doberstein, Stephen Kohl; Elson, Sarah; Ferguson, Kimberly Carr; Homburger, Sheila Akiko; Ebens, Allen James Jr.; Keegan, Kevin Patrick; Stout, Thomas J.

PATENT ASSIGNEE(S): Exelixis, Inc., USA

SOURCE: PCT Int. Appl., 90 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000076308	A1	20001221	WO 2000-US15880	20000608
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 1999-332522	A 19990614
			US 2000-189700	P 20000315

AB Drosophila melanogaster and Caenorhabditis elegans that have been genetically modified to express or mis-express proteins involved in the sterol regulatory element binding protein (SREBP) pathway are described. These genetically modified animal models have identifiable phenotypes that make them useful in assays for studying lipid metab., other genes implicated in lipid metab., and compds. capable of modulating lipid metab. pathways. Methods for studying lipid metab. in living nematodes using fluorescently labeled fatty acid conjugates, such as BODIPYTM fatty acid conjugates, are also described. Novel SREBP pathway nucleic acid and protein sequences are also described.

REFERENCE COUNT: 3

REFERENCE(S): (1) Rosenfeld, J; The Journal of Biological Chemistry 1998, V273, P16112 CAPLUS

(2) Shimano, H; Journal of Clinical Investigation 1997, V100, P2115 CAPLUS

(3) Shimomura, I; The Journal of Biological Chemistry 1998, V273, P35299 CAPLUS

TITLE: ASSESSMENT OF A **DROSOPHILA** BASED **SCREEN**
FOR DEVELOPMENTAL **TOXICANTS**.
AUTHOR(S): DAVIS D G; LYNCH D W; SCHULER R L; HOOD R D
CORPORATE SOURCE: DEP. BIOL., UNIV. ALA., TUSCALOOSA, ALA.
SOURCE: THIRTIETH ANNUAL MEETING OF THE TERATOLOGY SOCIETY,
VICTORIA, BRITISH COLUMBIA, CANADA, JUNE 8-12, 1990.
TERATOLOGY, (1990) 41 (5), 548.
CODEN: TJADAB. ISSN: 0040-3709.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

FILE 'MEDLINE, BIOSIS, SCISEARCH, CAPLUS' ENTERED AT 11:06:28 ON 01 MAY
2001

E FOGARTY PATRICK/AU
L1 12 S E3.
L2 9 DUP REM L1 (3 DUPLICATES REMOVED)
E DAVID RONALD/AU
L3 2 S E3 OR E6
L4 2825 S SCREENING AND (FLY OR DROSOPHILA)
L5 1790 S SCREENING (S) (FLY OR DROSOPHILA)
L6 93 S L5 AND TOXICITY
L7 7 S L6 AND PHARMA?
L8 6 DUP REM L7 (1 DUPLICATE REMOVED)
L9 14 S TOX? (A) SCREEN? (S) (FLY OR DROSOPHILA)
L10 7 DUP REM L9 (7 DUPLICATES REMOVED)
L11 0 S PHARM? (A) SCREEN? (S) (FLY OR DROSOPHILA)
L12 1 S PHARM? (A) SCREEN? AND (FLY OR DROSOPHILA)
L13 2 S PHARM? (2A) SCREEN? (S) (FLY OR DROSOPHILA)
L14 23 S TOX? (2A) SCREEN? (S) (FLY OR DROSOPHILA)
L15 13 DUP REM L14 (10 DUPLICATES REMOVED)